

**SECRET**

CENTRAL INTELLIGENCE AGENCY

REPORT

**INFORMATION REPORT**

(57)

COUNTRY USSR/Korea

DATE DISTR. 30 Aug 1951 25X1A

SUBJECT Chemical Analysis of Soviet Rubber Catheter

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(LISTED BELOW)

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SUPPLEMENT TO  
REPORT NO. [REDACTED]

DATE OF INFO [REDACTED] 25X1X

1. Chemical analysis of a Soviet-produced, red rubber, surgical catheter has yielded the following information:

a. Specific gravity 1.125

b. Chemical constituents:

Acetone extract	8.35%
Total sulfur	8.45
Natural rubber	56.75
Synthetic rubber	12.95
Ash	13.50

c. Analysis of the ash:

Magnesium oxide	3.45%
Calcium oxide	0.27
Iron & Aluminum oxides	0.33
Acid insoluble ash	7.96

d. Analysis of acid insoluble ash:

Titanium dioxide	4.2 %
Silicon dioxide	0.4
Iron & Aluminum oxides	0.48
Barium sulfate	1.27

2. The source of this analysis has offered the following amplifying comments:

- a. As it is apparent from the above, the compound contains a large amount of natural rubber and a small amount of synthetic rubber.
- b. Apparently a sulphur-bearing accelerator such as Tuads was used in the production of the sample.
- c. No zinc oxide was found in the composition, but it does contain magnesium oxide which may have served as an activator for the accelerator.
- d. The minerals present consist essentially of Titanium dioxide and Barium sulfate. Also present is about one per cent of clay and silicates which may have been introduced in processing.

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CLASSIFICATION SECRET

STATE	X NAVY	X NSRB	[REDACTED]						
ARMY	X AIR	X FBI	[REDACTED]						

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